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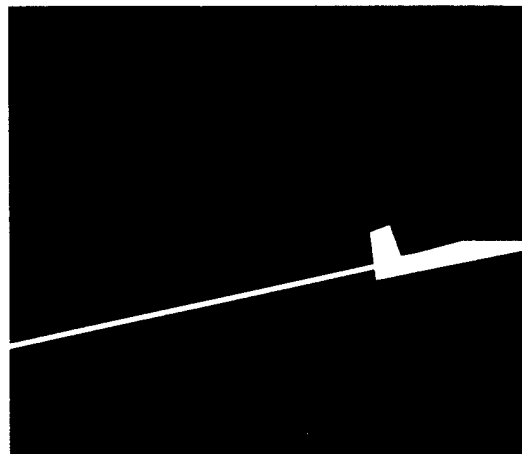
Supportability Investment Decision Analysis Center

Contract No. F33657-92-D-2055/0067
CDRL A009, Data Item DI-MGMT-80057
Report No. SID/MR-94/0061

(Unclassified)

TASK ASSIGNMENT PLAN

for

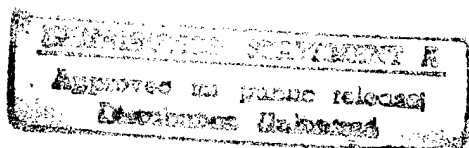## ABACUS Execution Module

Prepared for

HQ USAF/LGSI
1030 Air Force
The Pentagon
Washington, DC 20330-1030

21 December 1994

Prepared by

Synergy, Inc.
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13. ABSTRACT (Maximum 200 words)

The budget development process must be responsive, flexible, and accurate so that the Aircraft/Missile Support Division can respond to questions and challenges from OSD and Congress. This requires analysts to report financial actuals in budget submissions, and to respond on short notice to more detailed questions concerning financial actuals. Currently, these actual data are available only in hard copy form, making data retrieval labor-intensive and error-prone, and decreasing the time available to perform analysis prior to meeting short deadlines. The inability to respond adequately to these questions could degrade the ability of the Supply and Maintenance communities to support the USAF's peace and war missions. With Synergy creating an execution module to Automated Budget Analysis/Centralized User System (ABACUS), these processes will become less labor-intensive and error-prone.

The goal of this project is to provide analytical and programming support in developing an Execution Module to ABACUS. This module will populate financial actuals reported in DBOF Budget Submissions, and allow users to perform ad hoc queries.

This document explains the goals, objectives, and technical approach of the task explained above.

14. SUBJECT TERMS

Task goals and objectives, technical approach of project, project schedule and milestones, scheduled deliverables, project staffing and experience.

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ABACUS Execution Module

Introduction

The mission of the Aircraft/Missile Support Division is to support the Defense Business Operations Fund (DBOF) budget process by developing budget requirements from a functional standpoint, defending the budget to the Office of the Secretary of Defense (OSD) and to Congress, and overseeing the execution of the budget. AF/LGSI works hand-in-hand with the Secretary of the Air Force, Financial Management (SAF/FM) community in this process. To accomplish its mission, the budget development process must be responsive, flexible, and accurate so that the Aircraft/Missile Support Division can respond to questions and challenges from OSD and Congress. This requires analysts to report financial actuals in budget submissions, and to respond on short notice to more detailed questions concerning financial actuals. Currently, these actual data are available only in hard copy form, making data retrieval labor-intensive and error-prone, and decreasing the time available to perform analysis prior to meeting short deadlines. The inability to respond adequately to these questions could degrade the ability of the Supply and Maintenance communities to support the USAF's peace and war missions. With Synergy creating an execution module to Automated Budget Analysis/Centralized User System (ABACUS), these processes will become less labor-intensive and error-prone.

Goals and Objectives

The goal of this project is to provide analytical and programming support in developing an Execution Module to ABACUS. This module will populate financial actuals reported in DBOF Budget Submissions, and allow users to perform ad hoc queries.

Technical Approach

Synergy will work with the Air Force in all phases of this task. To begin, the appropriate financial actuals needed to create an Execution Module for ABACUS will be identified. This will include the level of aggregation of the data (e.g., Air Force totals or ALC level), the frequency of collection (e.g., monthly or quarterly), categories of data (e.g., operating, capital, cash), and sources for the data. These data will then be mapped to elements in the Air Force DBOF Budget, so that the column in the budget reflecting historical data will be automatically populated in ABACUS. Synergy will work on an iterative basis with Air Force users to develop an ad hoc query capability for the ABACUS Execution Module.

Inputs

Synergy will require trial balance data from Standard Air Force systems and/or the Defense Financial Accounting Service (DFAS). Both historical data and regular updates will be required. These data must be provided in an electronic format. Synergy also requires access to appropriate Air Force analysts, who will help to define the requirements for this ABACUS module.

Project Schedule and Milestones

Table 1 provides a project timeline for this task order.

Table 1. Project Timeline

DELIVERABLE	DUE DATE
Task Assignment Plan (A009)	16 December 1994
Contractor's Progress Status and Management Report (A004)	Monthly
Technical Report\Study Services (A001)	15 December 1995
Software Programmers Manual (A005)	11 September 1995
Software User's Manual (A006)	11 September 1995

Deliverables

The following documents will be delivered as part of this project.

Task Assignment Plan (CDRL A009) — The Task Assignment Plan establishes the goals and technical approach to be used in this project.

Contractor's Progress Status and Management Report (CDRL A004) — This monthly report will inform the SIDAC COTR of the progress on this project.

Technical Report\Study Services (CDRL A001) — The Technical Report will document the project activities and analysis results.

Software Programmer's Manual (CDRL A005) — The Software Programmer's Manual will be provided for the Execution Data Module of ABACUS to allow a third party to modify the software without help from the original programmer.

Software User's Manual (CDRL A006) — The Software's User's Manual will be provided for the Execution Data Module of ABACUS to support the ABACUS user.

Project Staffing and Experience

The key workers on this task include Ms. Susan Gantz, Mr. Kevin McCool, Ms. Sandra Cihlar, and Mr. Phil Sanders. These personnel have worked on the ABACUS system for the past 3 years. Ms. Gantz, the lead analyst, has a graduate degree in economics and 10 years of experience working in logistics and financial analysis for the Air Force. Mr. McCool, the lead programmer, has a graduate degree in Computer Science and 10 years of experience in his field. He specializes in designing and implementing data base management systems. Ms. Cihlar, also a programmer, has 15 years of experience in her field. She specializes in data base management systems, testing, and quality control. Mr. Sanders, who has a background in Mathematics and Computer Science, serves as the primary programmer/analyst responsible for maintaining the current ABACUS system and is intimately familiar with the system. Mr. Sanders has 5 years total experience working in logistics and financial analysis. Besides these key personnel, three other programmers and analysts will also work on this task.

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